

FIG. 1

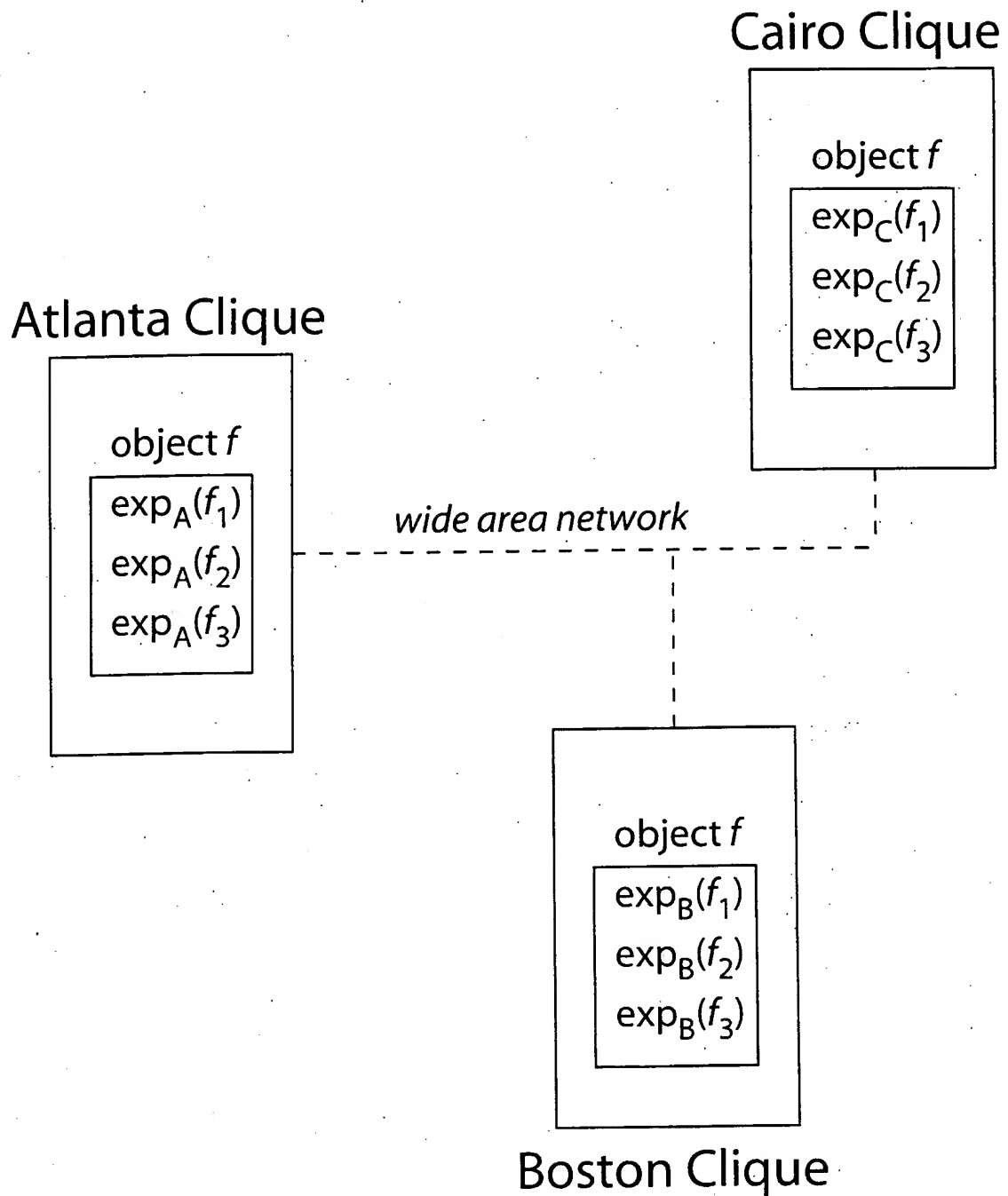


FIG. 2

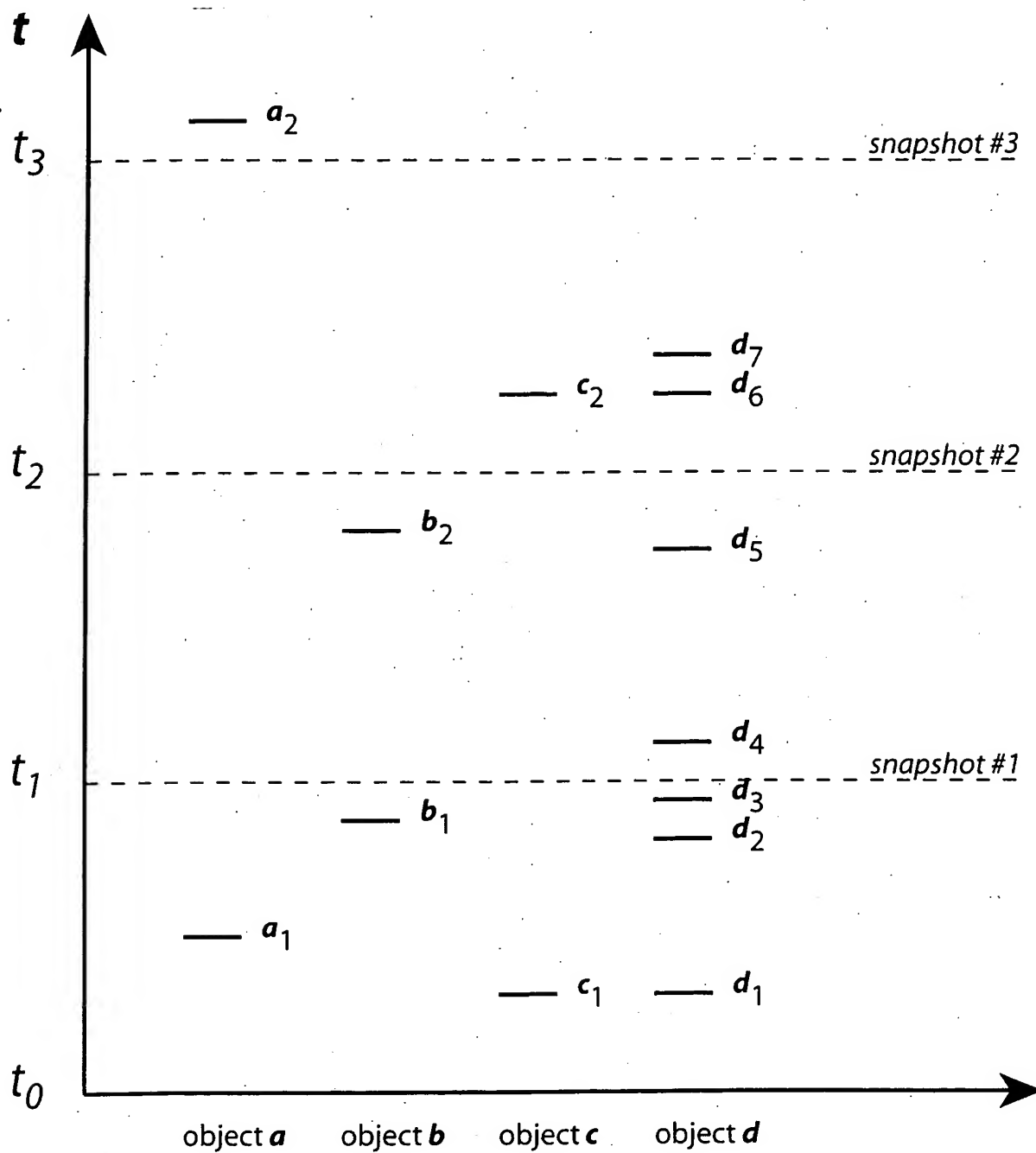


FIG. 3

| | <i>event</i> | <i>time specified</i> | <i>no expiry counter</i> | <i>1000 days counter</i> | <i>100 days counter</i> | <i>scheduled expiration</i> |
|-----|--------------------|---------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|
| 1) | block creation | 2003, day 47 | 0 | 0 | 0 | 2003, day 57 |
| 2) | add expiration | 2003, day 109 | 0 | 0 | 1 | 2003, day 147 |
| 3) | add expiration | 2003, day 140 | 0 | 0 | 2 | 2003, day 147 |
| 4) | add expiration | 2004, day 2 | 0 | 1 | 2 | 2005, day 318 |
| 5) | remove expiration | 2003, day 109 | 0 | 1 | 1 | 2005, day 318 |
| 6) | add expiration | 2007, day 21 | 1 | 1 | 1 | no expiration |
| 7) | remove expiration | 2007, day 21 | 0 | 1 | 1 | 2005, day 318 |
| 8) | remove expiration | 2004, day 2 | 0 | 0 | 1 | 2003, day 147 |
| 9) | becomes current | no expiration | 1 | 0 | 1 | no expiration |
| 10) | current superseded | 2003, day 79 | 0 | 0 | 2 | 2003, day 147 |
| 11) | add expiration | 2003, day 50 | 0 | 0 | 2 | 2003, day 147 |

FIG. 4

Event 3 Reference Message:

```
<policy> deletion requires namespace authorization </policy>
<expiration_time> 2003, day 140 </expiration_time>
<namespace_id> 10723 </namespace_id>
<location_hash> 1172325143219 </location_hash>
```

Event 9 Reference Message:

```
<policy>    if current at hour 0 of week, keep for a month;
            if current at hour 0 of month, keep forever </policy>
<creation_time> 2003, day 49 </creation_time>
<expiration_time> no expiration (current) </expiration_time>
<namespace_id> 21031 </namespace_id>
<location_hash> 2210719210978 </location_hash>
```

After Event 11:

| | | |
|-------------------|---|--|
| 100_day_counter | = | hash(Event 3 Reference Message) + hash(Event 9 Reference Message) |
| 1000_day_counter | = | 0 |
| no_expiry_counter | = | 0 |

FIG. 5

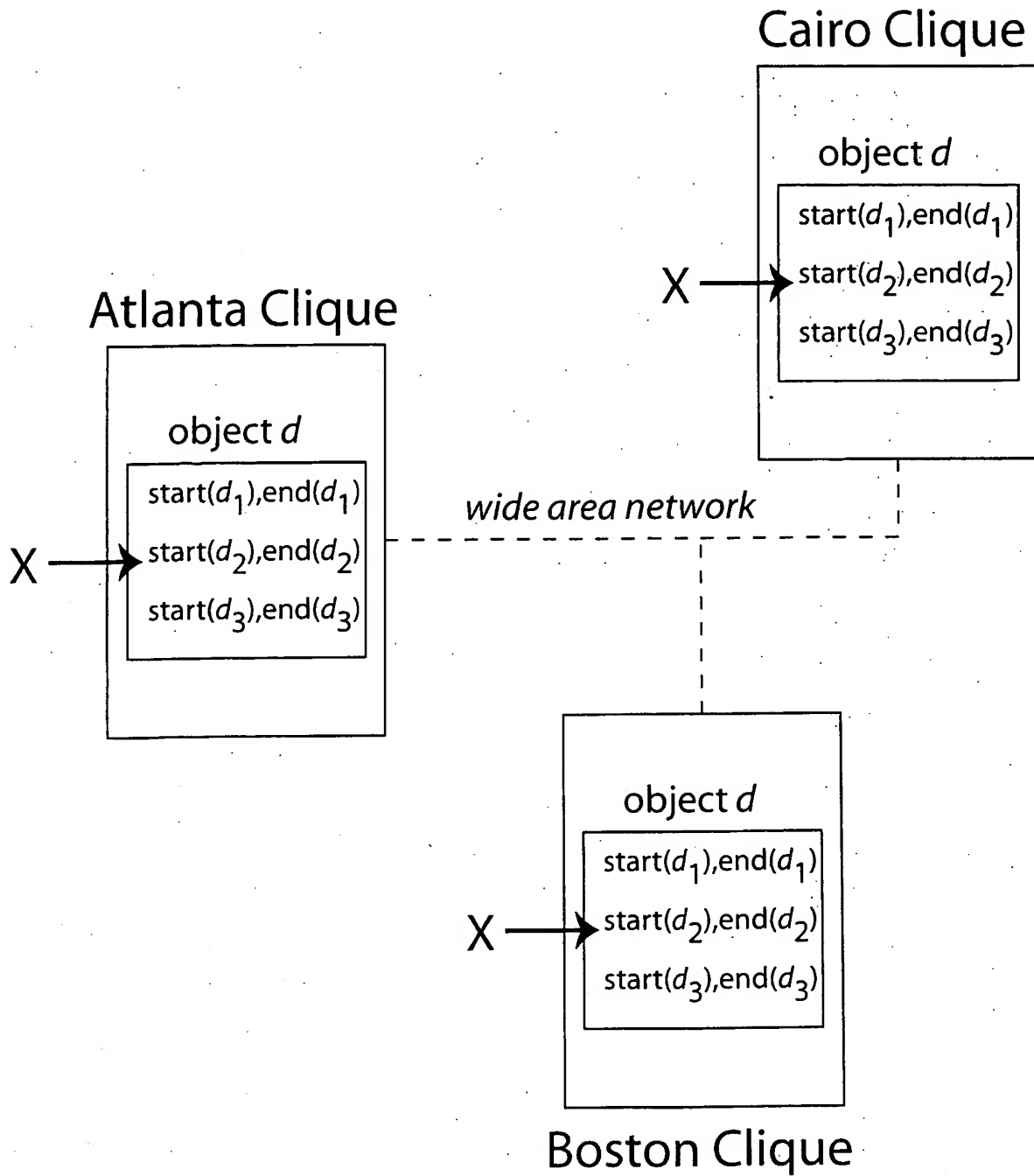


FIG. 6